

Standard Data Report

136-Pacific Northwest National Laboratory

General Site Information

Site Information:

Site Name: 136-Pacific Northwest National Laboratory

Internet Email Address: wayne.larson@pnl.gov

Operations Office Name: RL

Lead PSO: SC

DOE Point of Contact Information:

DOE Point of Contact: Theresa L. Aldridge

DOE Phone #: (509) 372-4508

DOE Fax #: (509) 372-4037

DOE Employee address: U.S. Department of Energy, Richland
Operations Office P.O. Box 550 MSIN: K8-50,
Richland, WA 99352

Contractor Point of Contact Information:

Contractor Point of Contact: Wayne B. Larson

Contractor Phone #: (509) 376-2483

Contractor Fax #: (509) 372-2896

Contractor Address: Pacific Northwest National Laboratory, P.O.
Box 999 MSIN: K3-75, Richland, WA 99352

Standard Data Report

2005 Annual Report on Waste Generation and Pollution Prevention Progress

as required by DOE Order 450.1

Pacific Northwest National Laboratory

Operations Office: RL

Prepared for: DOE

Prepared by: Wayne B. Larson

2/7/2006

FY2005 Site P2 Profile

Please enter the P2 Site Profile for 136-Pacific Northwest National Laboratory.

1. Have the P2 provisions of the DOE O 450.1 Contractor Requirements Document been incorporated into site management contracts?

No

2. Have pollution prevention goals, objectives, and targets been incorporated into the site EMS and/or ISMS?

Yes

3. Identify and describe actions taken during the reporting year to incorporate sustainable design and green building practices into site operations:

Sustainable design concepts were incorporated into four expansion and remodeling projects. Our expansion for the future includes three new buildings and an expansion of one existing facility, all of which include Sustainable Design and Green Building practices in the design concepts submitted to DOE

4. List the voluntary EPA programs* for which the site has been recognized as a participant:

EPA Performance Track
Waste Wise
Energy Star
Green Power Program

5. List other EMS or P2 awards received during the reporting period (e.g., National Environmental Performance Track status, Green Zia):

1) Green Business of the Year
2) Best in Class P2 for Green Purchasing PNNL Early Adaptors Buy Bio "Greening our Purchasing System"
3) P2 Star Winner for PNNL Early Adaptors Buy Bio "Greening our Purchasing System"

* P2-Related voluntary programs include, but are not limited to:

- Green Engineering
- Climate Leaders
- Commuter Choice Leadership Initiative
- National Environmental Performance Track
- National Waste Minimization Partnership

- Energy Star [Buildings]
- Green Power
- WasteWise
- Project XL
- Federal Electronics Challenge

Annual Report General Site Information

On this page, please enter information about your site, the DOE and contractor points of contact at your site and list the signatures required for concurrence of this data.

Site Information:

Site Name: 136-Pacific Northwest National Laboratory

Internet Email Address: wayne.larson@pnl.gov

Operations Office Name: RL

Lead PSO: SC

DOE Point of Contact Information:

DOE Point of Contact: Theresa L. Aldridge

DOE Phone #: (509) 372-4508

DOE Fax #: (509) 372-4037

DOE Employee address:

U.S. Department of Energy, Richland Operations Office
P.O. Box 550 MSIN: K8-50, Richland, WA 99352

Contractor Point of Contact Information:

Contractor Point of Contact: Wayne B. Lar

Contractor Phone #: (509) 376-2483

Contractor Fax #: (509) 372-2896

Contractor Address: Pacific Northwest National Laboratory, P.O. Box 999 MSIN: K3-
[Redacted Address]



Waste Generation Data Collection - Data entry options

☐ EE ☐ EM ☐ FE ☐ LM ☐ NE ☐ NA ☐ PM ☒ RW ☐ SC

Choose a PSO/Administration - You MUST choose one option

Annual Report PSO Waste Generation

On this page, please enter SC waste generation amounts at I36-Pacific Northwest National Laboratory.

PSO: SC

Waste Type	Routine Waste		Cleanup/Stabilization Waste	
High Level Waste (Liquid)	0	m3	0	m3
(Solid)	0	m3	0	m3
Transuranic Waste (Liquid)	0	m3	0	m3
(Solid)	0	m3	7.64	m3
Mixed Transuranic Waste (Liquid)	0	m3	0	m3
(Solid)	0	m3	1.39	m3
Low Level Waste (Liquid)	0	m3	0	m3
(Solid)	297.56	m3	0.21	m3
Mixed Low Level Waste (Liquid)	0	m3	0	m3
(Solid)	7.87	m3	0.59	m3
RCRA Regulated	6.64	mt	0.02	mt
State Regulated	1.97	mt	0.14	mt
TSCA Regulated	0	mt	1.5	mt
Mixed TSCA	0	mt	0	mt

Please explain the difference

We are asking you to explain the differences (increase/decrease) in waste generation amounts reported for the year 2005 which differ from 2004 reported amounts by more than 20 percent.

After you have finished all entering text on this page, you must scroll to the bottom of the page and press the **SUBMIT** button to save your changes.

If there is no explanation then leave the text box blank and press submit.

Waste type: Cleanup/Stablilzition - Transuranic Waste

PSO: SC

Reported in 2004: 3.75

Reported in 2005: 7.64

Please provide an explanation for the difference:

The difference is attributed to a change in work scope for the laboratory.	
1	1

Waste type: Cleanup/Stablilzition - Mixed Transuranic Waste

PSO: SC

Reported in 2004: 19.3

Reported in 2005: 1.39

Please provide an explanation for the difference:

The difference is due to a change in the work scope for the laboratory.	
1	1

Waste type: Routine - Low Level Waste

PSO: SC

Reported in 2004: 180

Reported in 2005: 297.56

Please provide an explanation for the difference:

The programatic needs of the laboratory have changed from year to year.	
1	1

Waste type: Cleanup/Stabilization - Low Level Waste

PSO: SC

Reported in 2004: 6.4

Reported in 2005: 0.21

Please provide an explanation for the difference:

The difference is due to a change in the work scope for the laboratory.

Waste type: Routine - Mixed Low Level Waste

PSO: SC

Reported in 2004: 25.56

Reported in 2005: 7.87

Please provide an explanation for the difference:

The difference is due to a change in the work scope for the laboratory.

Waste type: Cleanup/Stabilization - Mixed Low Level Waste

PSO: SC

Reported in 2004: 6.3

Reported in 2005: 0.59

Please provide an explanation for the difference:

The difference is due to a change in the work scope for the laboratory.

Waste type: Routine - RCRA Waste

PSO: SC

Reported in 2004: 9.2

Reported in 2005: 6.64

Please provide an explanation for the difference:

The difference is due to a change in the work scope for the laboratory.

Waste type: Cleanup/Stabilization - State Regulated Waste

PSO: SC

Reported in 2004: 0.01

Reported in 2005: 0.14

Please provide an explanation for the difference:

The difference is due to a change in the work scope for the laboratory.

Waste type: Cleanup/Stabilization - TSCA Regulated Waste

PSO: SC

Reported in 2004: 0.11

Reported in 2005: 1.5

Please provide an explanation for the difference:

The difference is due to a change in the work scope for the laboratory.

Site-Wide Recycling Activities

Please enter amounts for recycling and Sanitary waste generation amounts at 136-Pacific Northwest National Laboratory.

Recycle Category	Quantity	
Paper Products:		
Office and Mixed Paper	163.5	mt ▼
Corrugated cardboard	77.1	mt ▼
Phone Books	0	mt ▼
Newspapers/Magazines	0	mt ▼
Scrap Metals:		
Stainless steel	0	mt ▼
Copper	0	mt ▼
Iron/Steel	21.15	mt ▼
Aluminum	0.21	mt ▼
Aluminum Cans	0.39	mt ▼
Lead	0	mt ▼
Zinc	0	mt ▼
Other: (see discussion below)	0	mt ▼
Precious metals:		
Silver	0.01	mt ▼
Gold	0	mt ▼
Platinum	0.01	mt ▼
Other: (see discussion below)	0	mt ▼
Other Items		
Antifreeze	1.45	mt ▼
Engine oils	0	mt ▼
Toner cartridges	12.4	mt ▼
Batteries	4.68	mt ▼

Tires	0	mt
Food waste	0.88	mt
Concrete/Asphalt	424.82	mt
Fluorescent Bulbs	0.02	mt
Ballasts	0	mt
Glass	0.62	mt
Plastic	0.56	mt
Styrofoam	0	mt
Transformers	0	mt
Wood (chips, compost)	33.45	mt
*Computers/Electronics	12.12	mt
*Other: (see discussion below)	25.25	mt

* Optional Reporting

Explanation for other amounts: Non-Auto used oil .8mt, Aerosol cans .08mt, Diesel .08mt

Other:

Sanitary Waste

Routine	Cleanup/Stabilization
419.43	0
mt	mt

Solid Waste Prevention Questions

Report solid waste prevention efforts for the facilities for which your organization is responsible.

A. Did you institute new solid waste prevention practices in FY 2005?

☒ Yes ☐ No

Please explain the difference

We are asking you to explain the differences (increase/decrease) in Sanitary waste amounts reported for Calendar Year 2005 which differ from 2004 reported amounts by more than 20 percent.

After you have finished all entering text on this page, you must scroll to the bottom of the page and press the **SUBMIT** button to save your changes.

Waste type: Routine - Sanitary Waste

Reported in 2004: 1212.48

Reported in 2005: 419.43

Please provide an explanation for the difference:

Previous sanitary waste values were based on volume estimates, multiplied times a

Standard Data Report

136-Pacific Northwest National Laboratory

Site-Wide Recycling Activities

Recycle Category	Qty	
Paper Products:		
Office and Mixed Paper	163.50	mt
Corrugated cardboard	77.10	mt
Phone Books	0.00	mt
Newspapers/Magazines	0.00	mt
Scrap Metals:		
Stainless steel	0.00	mt
Copper	0.00	mt
Iron/Steel	21.15	mt
Aluminum	0.21	mt
Aluminum Cans	0.39	mt
Lead	0.00	mt
Zinc	0.00	mt
Other: (see discussion below)	0.00	mt
Precious metals:		

Silver	0.01	mt
Gold	0.00	mt
Platinum	0.01	mt
Other: (see discussion below)	0.00	mt
Other Items		
Antifreeze	1.45	mt
Engine oils	0.00	mt
Toner cartridges	12.40	mt
Batteries	4.68	mt
Tires	0.00	mt
Food waste	0.88	mt
Concrete/Asphalt	424.82	mt
Fluorescent Bulbs	0.02	mt
Ballasts	0.00	mt
Glass	0.62	mt
Plastic	0.56	mt
Styrofoam	0.00	mt
Transformers	0.00	mt
Wood (chips, compost)	33.45	mt
*Computers/Electronics	12.12	mt
*Other: (see discussion below)	25.25	mt

* Optional Reporting

Explanation of "Other" recycling amounts:

Explanation for other amounts: Non-Auto used oil .8mt, Aerosol cans .08mt, Diesel .32mt, Cell phones .23mt, Circuit boards .42mt, Office product exchange (Paper, pens, paper clips, binders, sheet protectors, etc.) 11.52mt, Incandescent lamps .02mt, Software 11.79mt Miscellaneous lamps .07mt.

Sanitary Waste

Routine	Cleanup/Stabilization
419.43 mt	0.00 mt

Recycling Questions

How many offices/sites was your organization responsible for operating in FY 2005 ? 1

How many of these offices/sites had an active office products recycling program in FY 2005? 1

How many residential housing units did your organization/site operate in FY 2005? 0

How many of these residential housing units had an active household products recycling program in FY 2005? 0

How many demolition projects were managed by and/or contracted by your organization in FY 2005? 0

How many of these demolition projects included the recovery of construction materials in FY 2005? 0

Solid Waste Prevention Questions

Report solid waste prevention efforts for the facilities for which your organization is responsible.

A. Did you institute new solid waste prevention practices in FY 2005?

Yes

B. If the response is Yes, please provide an explanation of those practices.

Our recycling bin locations are posted on an internal web page, showing the location (room number) of the recycle bins and what type of recycling is available at the locations within a building. This information has been added to our Map Information Tool.

C. If the response is NO, please provide an explanation of why not.

Standard Data Report

136-Pacific Northwest National Laboratory

Total Site Generation - Routine vs. Cleanup/Stabilization Waste

Waste Type	Routine Waste	Unit	Cleanup/Stabilization Waste	Unit	Total Waste	Unit
High Level Waste (Liquid)	0.00	m3	0.00	m3	0.00	m3
High Level Waste (Solid)	0.00	m3	0.00	m3	0.00	m3
Transuranic Waste (Liquid)	0.00	m3	0.00	m3	0.00	m3
Transuranic Waste (Solid)	0.00	m3	7.64	m3	7.64	m3
Mixed Transuranic Waste (Liquid)	0.00	m3	0.00	m3	0.00	m3
Mixed Transuranic Waste (Solid)	0.00	m3	1.39	m3	1.39	m3
Low Level Waste (Liquid)	0.00	m3	0.00	m3	0.00	m3
Low Level Waste (Solid)	297.56	m3	0.21	m3	297.77	m3
Mixed Low Level Waste (Liquid)	0.00	m3	0.00	m3	0.00	m3
Mixed Low Level Waste (Solid)	7.87	m3	0.59	m3	8.46	m3
RCRA Regulated	6.64	mt	0.02	mt	6.66	mt
State Regulated	1.97	mt	0.14	mt	2.11	mt
TSCA Regulated	0.00	mt	1.50	mt	1.50	mt
Mixed TSCA	0.00	mt	0.00	mt	0.00	mt

Standard Data Report

136-Pacific Northwest National Laboratory

Site Waste Generation by PSO

PSO: SC

Waste Type	Routine Waste	Unit	Cleanup/Stabilization Waste	Unit	Total Waste	Unit
High Level Waste (Liquid)	0.00	m3	0.00	m3	0.00	m3
High Level Waste (Solid)	0.00	m3	0.00	m3	0.00	m3
Transuranic Waste (Liquid)	0.00	m3	0.00	m3	0.00	m3
Transuranic Waste (Solid)	0.00	m3	7.64	m3	7.64	m3
Mixed Transuranic Waste (Liquid)	0.00	m3	0.00	m3	0.00	m3
Mixed Transuranic Waste (Solid)	0.00	m3	1.39	m3	1.39	m3
Low Level Waste (Liquid)	0.00	m3	0.00	m3	0.00	m3
Low Level Waste (Solid)	297.56	m3	0.21	m3	297.77	m3
Mixed Low Level Waste (Liquid)	0.00	m3	0.00	m3	0.00	m3
Mixed Low Level Waste (Solid)	7.87	m3	0.59	m3	8.46	m3
RCRA Regulated	6.64	mt	0.02	mt	6.66	mt
State Regulated	1.97	mt	0.14	mt	2.11	mt
TSCA Regulated	0.00	mt	1.50	mt	1.50	mt
Mixed TSCA	0.00	mt	0.00	mt	0.00	mt

Standard Data Report

136-Pacific Northwest National Laboratory

Explanation for differences (increase/decrease) in waste generation amounts reported for the year 2005 which differ from 2004 reported amounts by more than 20 percent.

Waste type: Routine - Sanitary Waste

Reported in 2004: 1212.48 mt

Reported in 2005: 419.43 mt

Explanation for the difference:

Previous sanitary waste values were based on volume estimates, multiplied times an industry standard for paper, plastic glass etc. Today's values use actual waste weights times a volume estimate prorated for the Fiscal year. That difference plus the fact that we are moving out of various labs, has resulted in a smaller sanitary waste value for Fiscal Year 2005.

Waste type: Cleanup/Stabilization - Mixed Low Level Waste

PSO: SC

Reported in 2004: 6.3 m3

Reported in 2005: 0.59 m3

Explanation for the difference:

The difference is due to a change in the work scope for the laboratory.

Waste type: Cleanup/Stabilization - Low Level Waste

PSO: SC

Reported in 2004: 6.4 m3

Reported in 2005: 0.21 m3

Explanation for the difference:

The difference is due to a change in the work scope for the laboratory.

Waste type: Cleanup/Stabilization - State Regulated Waste

PSO: SC

Reported in 2004: 0.01 mt

Reported in 2005: 0.14 mt

Explanation for the difference:

The difference is due to a change in the work scope for the laboratory.

Waste type: Cleanup/Stabilization - Mixed Transuranic Waste

PSO: SC

Reported in 2004: 19.3 m3

Reported in 2005: 1.39 m3

Explanation for the difference:

The difference is due to a change in the work scope for the laboratory.

Waste type: Cleanup/Stabilization - Transuranic Waste

PSO: SC

Reported in 2004: 3.75 m3

Reported in 2005: 7.64 m3

Explanation for the difference:

The difference is attributed to a change in work scope for the laboratory.

Waste type: Cleanup/Stabilization - TSCA Waste

PSO: SC

Reported in 2004: 0.11 mt

Reported in 2005: 1.5 mt

Explanation for the difference:

The difference is due to a change in the work scope for the laboratory.

Waste type: Routine - Mixed Low Level Waste

PSO: SC

Reported in 2004: 25.56 m3

Reported in 2005: 7.87 m3

Explanation for the difference:

The difference is due to a change in the work scope for the laboratory.

Waste type: Routine - Low Level Waste

PSO: SC

Reported in 2004: 180 m3

Reported in 2005: 297.56 m3

Explanation for the difference:

The programatic needs of the laboratory have changed from year to year.

Waste type: Routine - RCRA Waste

PSO: SC

Reported in 2004: 9.2 mt

Reported in 2005: 6.64 mt

Explanation for the difference:

The difference is due to a change in the work scope for the laboratory.
